

SHINGELTON FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 64 ENTRY YEAR: 2004

Compartment Acreage: 2128 County: Schoolcraft

Revision Date: 9/24/02

Stand Examiner: Jennifer Burnham

Legal Description: T43N R14W Sections 33-36

RMU (if applicable):

Management Goals: Provide for the protection, integrated management, and responsible use of a healthy, productive, forest and mineral resource base for the social, recreational, environmental, and economic benefit of the people of the State of Michigan.

Soil and Topography: Soil types found in this compartment are Saugetuck sand, AuTrain loamy sand, Wallace fine sand, Carbondale peat and Greenwood peat. The sands will grow the poor quality hardwoods and the pine types. The peat soils will have the spruce and associated conifer types growing on them. There is some rolling terrain mainly near the Manistique River and Floodwood Road. The remainder of the compartment is low ground with poor drainage.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment has broken ownership of private land and some commercial private around the area.

Unique, Natural Features (include only non-site specific and non-sensitive information): Currently under review by Michigan Natural Features inventory.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): This area was logged at the turn of the century like many of the areas in the Shingleton Management Unit. There are traces of old winter roads in some of the stands.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: Poor-to-Good. Bear Creek is classified as SQCW. Even so, we know very little about its natural trout production or angler success when fishing it. However, Cub Bear Creek is classified SQWW. There is no need to protect Cub Bear Creek from encroachment by beaver, but protection from increased sand bedload is still a high priority.

Wildlife Habitat Considerations: This compartment lies within the St. Ignace sub-subsection. The growing season last approximately 130 days. Extreme winter low temperature approaches –46^o F. Annual snowfall averages 100 inches.

Pre-settlement forests in the lowlands were likely dominated by cedar, tamarack, balsam fir, and black spruce. Upland forest probably contained hemlock, sugar maple, beech, yellow birch, white birch, and basswood.

Fire and windthrow were likely the major forms of natural disturbance.

This compartment contains a substantial amount of open wetlands. Current vegetation in the lowland forest is similar in species composition as would have been expected pre-settlement. On the uplands, however, has shifted more toward early successional species such as jack pine and aspen.

Wildlife habitat objectives in this compartment include maintaining closed canopy conifer stands, promoting hemlock in the uplands, and protecting the Bear Creek Stream corridor.

Gray wolves (Michigan threatened; Federal endangered) and wood turtles (Michigan special concern) are known to utilize this compartment. .

Other wildlife species of interest that may utilize this compartment include northern red belly snake, garter snake, Blackburnian warbler, saw-whet owl, fisher, and red fox.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck and thin to discontinuous glacial till over bedrock. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group and Cabothead Shale subcrop below the glacial drift. The Burnt Bluff is quarried for stone. The nearest gravel pit is one-half mile to the south and there appears to be some potential in Sections 33 & 34. There is a clay pit 8 miles to the west. There is no commercial oil and gas production in the UP.

Vehicle Access: Access for vehicle traffic is poor unless using the Floodwood Road. There are only a couple trail roads that can be used all year. Old winter roads are of limited quantity also.

Survey Needs: 2 miles will be needed around the 3 blocks of private property.

Recreational Facilities and Opportunities: The snowmobile trail, which is maintained by Schoolcraft County Snowmobile Club, runs through the top portion of sections 33 and 34 of the compartment part of which is on a county road.

Fire Protection: The majority of the compartment is lowland conifers so fire danger is low. However there are scattered islands of pine which have the potential for lightening strikes were access would be very poor.

Additional Compartment Information:

- > The following 5 reports from the Operations Inventory System (OIPC) are attached:
 - **♦** Cover Type by Age Class
 - **♦** Cover Type by Management Objective
 - **♦** Compartment Volume Summary
 - **♦** Proposed Treatments No Limiting Factors
 - **♦** Proposed Treatments With Limiting Factors
- The following information is displayed, where pertinent, on the attached compartment maps:
 - ♦ Base feature information, stand numbers, cover types
 - **♦** Proposed treatments
 - ♦ Proposed road access system
 - ♦ Suggested potential old growth

TABLE 3: Page 1 of 1

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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 64

Table 3

(acres shown in boxes) STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100- 109	110- 119	120- 129	130- 139	140- 149	150- 159	All Aged	Total
Aspen			57	3															60
Black Spruce						41		181		7	66								295
Cedar						41			33	199		14							287
Grass	18																		18
Hemlock																		69	69
Jack Pine				48					5										53
LowInd Brush	377																		377
LowInd Poplr										48									48
Mx Swmp Cnfr				5		18	126	19											168
Non Stocked	10																		10
Paper Birch		53							30									2	85
Red Pine																		116	116
Spruce Fir						6													6
Treed Bog	307										67								374
Upland Hdwds																		151	151
Water	11																		11
Total	723	53	57	56		106	126	200	68	254	133	14						338	2128

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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 64

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	Α	S	V	С	G	Н	J	ı	L	Р	N	Q	Χ	0	В	R	K	Υ	F	E	Т	D	U	М	Z	W	Total
A Aspen	60																										60
S Black Spruce		295																									295
C Cedar				287																							287
G Grass					18																						18
H Hemlock						69																					69
J Jack Pine							53																				53
L LowInd Brush									377																		377
P LowInd PopIr										48																	48
Q Mx Swmp Cnfr												168															168
X Non Stocked													10														10
B Paper Birch															85												85
R Red Pine																116											116
F Spruce Fir																			6								6
D Treed Bog																						374					374
M Upland Hdwds																								151			151
Z Water																									11		11
Total	60	295		287	18	69	53		377	48		168	10		85	116			6	i		374		151	11		2128

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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

LAKE SUPERIOR STATE FOREST SHINGLETO

SHINGLETON FOREST AREA SCHOOLCRAFT COUNTY

COMPARTMENT: 64

TABLE 10: Page 1 of 1

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY

TOTAL \	VOLUME	CUT VOLUME						
Hardwood	5710 Cds	Hardwood 2092 Cds						
Hardwood	120 Mbf	Hardwood 12 Mbf						
Softwood	9813 Cds	Softwood 1832 Cds						
Softwood	600 Mbf	Softwood 214 Mbf						
Sum TotVol	16963 Cds	Sum CutVol 4376 Cds						
Total Cn	npt Acres	Acres Proposed For Cut						
212	28	Acres Masting City Critoria						
		Acres Meeting Silv Criteria						
		Acres Not Meeting Silv Criteria						

Acres Unable to Determine Silv Criteria For.....

Stand Type Acres Age Index Obj Condition Cut Priority Need State 7 P6 17 80 46 balsam poplar & unevenaged final harvest 2 commits Fmd : Same as stand to S only there is area with a concentration of more birch and less conifer understory. Ground is low and wet. 8 P6 31 80 46 balsam poplar & mature final harvest 2 commits Fmd : Tried putting this up before. Some scattered White birch logs. PVT to the south may give us access. Has pockets of lower areas-very good quality timber. 10 M6 11 52 northern hardwood unevenaged thinning 2 commits Fmd : Treat with adjacent stands. Flat to rolling terrain. Trail road from PVT to access. Blue line is in - corner present. Scattered white hemlock closer to swamp edge. Both look healthy. 21 Q6 9 47 50 mixed swamp mature final harvest 2 commits Fmd : Stand doing okay-low ground - timber patchy. Higher ground has more white birch, red maple with some scattered lg white pine. a couple white pine and cedar on the higher ground. 22 F6 6 47 50 spruce-fir (uplands-including upland black spruce) commits Fmd : Leave some wp on higher ground. 27 R9 57 50 red pine unevenaged selection 2 planting commits Fmd : Didn't find the PVT line. Leave the white and red pine that are 10" DBH or less, think some in the dense areas. Snowmobile touc E side of stand. 99—wb/aspen 29 R9 32 50 red pine unevenaged selection 2 planting stand w poter powers. 32 S6 32 90 45 black spruce-swamp mature final harvest 2 commits Fmd : Maple and other hardwood species mature to over mature. Hemlock looks healthy. Scattered red pine. No cut hemlock 34 R6 25 61 red pine unevenaged thinning 1 planting stand w poter to the proper mature to over mature. Hemlock looks healthy. Scattered red pine. No cut hemlock		SHING	SLETO	N FOR	EST A	REA	Proposed 1 With NO Limit		Compar	tment: 64	Entry Year: 2004
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a couple white pine and cedar on the higher ground. 63 D0 4 20 treed bog sparse final harvest 3 comnts Fmd: Stand is scheduled to make the adjacent sales less complicated to prep, there are some merchantable trees around the edges. 64 D0 3 20 treed bog sparse final harvest 3 comnts Fmd: Stand is scheduled to make the adjacent sales less complicated to prep, there are some merchantable trees around the edges.	61	Q6	9	47	50		mature	final harvest	2		
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64 D0 3 20 treed bog sparse final harvest 3 complicated to prep, there are some merchantable trees around the edges.	63	D0	4		20	treed bog	sparse	final harvest	3		
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65 D0 2 20 treed bog sparse final harvest 3		d : Star	nd is sche	duled to	make t	he adjacent sales le	ss complicated to	prep, there are son	ne merchanta	ble trees around	the edges.
	65	D0	2		20	treed bog	sparse	final harvest	3		

comnts Fmd: Stand is scheduled to make the adjacent sales less complicated to prep, there are some merchantable trees around the edges.

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SHINGLETON FOREST AREA	Proposed Treatme
	With NO Limiting Fa

nents actors

Compartment: 64

Entry Year: 2004

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
84	М6	13		60	northern hardwood	unevenaged	thinning	2		stand with fdf

comnts Fmd: Nice hard maple reproduction 1' tall. PVT line is in with their survey on the most western 40, no official corner. Stand is hilly terrain can not be cut unless access through hemlock stand. Sent in ancellary

Total Acres......

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	SHING	SLETON	N FOF	REST ARE	A	•	Treatments ing Factors	Compar	tment: 64	Entry Year: 2004		
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status		
13	S6	5	78	42 blac	k spruce-swamp	mature	final harvest	2				
TREATMEN	NT LIMITI	NG FACT	rors:	•	ity/bmps volume due to sr ed (resources not	J	able)					
comnts Fm	nd: Wit	h in the E	Bear Cr	eek buffer ar	rea.							
54	S6	2	78	42 blac	k spruce-swamp	mature	final harvest	2				
TREATMEN	NT LIMITI	NG FACT	rors:	Water qual	ity/bmps volume due to sn	nall acreage						

Road needed (resources not presently available)

Proposed Treatments

comnts Fmd: With in the Bear Creek buffer area.

Total Acres......

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